

ABSTRACT

A method and device for the controlled tempering of a casting trough integrated between a supply vessel for a molten metal (e.g., copper or a copper alloy), and at least one continuous casting mold. The trough walls and the trough floor of the casting trough are at least partially provided with a lining layer having a specific electrical resistance between $10^{-1} \Omega \cdot m$ to $10^{-6} \Omega \cdot m$ and being resistant to the heat of the molten metal. The lining layer is inductively heated by an electrical heating device arranged around the lining layer.